

## ABSTRACT OF THE DISCLOSURE

## DETECTING EVENTS WITHIN SIMULATION MODELS

5           A system, method, and data structure for providing  
an efficient means for monitoring model events. The  
present invention generates detection events that are  
accessible by the RTX. Such detection events are  
generated by instrumentation entities. Detection events  
10 are implemented as output ports on an instrumentation  
entity. Furthermore, the present invention discloses an  
enhanced API function for directly accessing detection  
events within a given simulation model.

09752253 123000